**Annual Drinking Water Quality Report DEVILS KITCHEN WATER DISTRICT IL1995160
 Consumer Confidence Report
 Annual Water Quality Report for the period of January 1 to December 31, 2025**
This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking
 water. The source of drinking water used by DEVILS KITCHEN WATER DISTRICT is Purchased Surface Water For more information regarding this report contact:
Tim Yancey Phone 618-549-5141 Devils Kitchen Water District board meetings are the second Thursday of the month, call the office for time.
 **Source of Drinking Water**
The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the
 surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances
resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:
- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural
 livestock operations, and wildlife. - Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff,
 industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production,
and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.
Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants.
 The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects
can be obtained by calling the EPAs Safe Drinking Water Hotline at (800) 426-2791In order to ensure that tap water is safe to drink, EPA prescribes regulations
which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water
which must provide the same protection for public health. Some people may be more vulnerable to contaminants in drinking water than the general population.
Immuno-compromised people such as persons with cancer undergoing chemotherapy, people who have undergone organ transplants, people with HIV/AIDS
 or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water
 from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants
 are available from the Safe Drinking Water Hotline (800-426-4791). If present, elevated levels of lead can cause serious health problems, especially for pregnant
 women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.
We cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead
exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to
 have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the
 Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.
 **Source Water Assessment**
We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled meetings.
 The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please stop by the office or call our
 water operator at 618-549-5141. To view a summary version of the completed Source Water Assessments, including: Importance of Source Water;
Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts, you may access the Illinois EPA website at
<http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>. Source of Water: CARBONDALE and LAKE OF EGYPY WATER DISTRICT,
 Illinois EPA considers all surface water sources of public water supply to susceptible to potential pollution problems. Hence the reason for
 mandatory treatment of all public water supplies in Illinois. Mandatory treatment includes coagulation, sedimentation, filtration and disinfection.
 Primary sources in Illinois lakes can include agricultural runoff, land disposal (septic systems) and shoreline erosion.
 **Source Water Information**

Source Water Name Type Report Location
 of Water Status

CC01 - DEVIL'S KITCHEN MASTER METERFF IL1995200 TP03 – LAKE of Egypt SW \_\_\_\_\_\_\_ 9575 Day Road, Marion

CC02 - DEVIL'S KITCHEN MASTER METERFF0770150 TP05 – Carbondale WATER SW \_\_\_\_\_\_\_ 2140 Dogwood

**Water Quality Test Results**
**Definitions:** The following tables contain scientific terms and measures, some of which may require explanation.
**Avg:** Regulatory compliance with some MCLs are based on running annual average of monthly samples.
**Level 1 Assessment:** A Level 1 assessment is a study of the water system to identify potential problems and determine
 (if possible) why total coliform bacteria have been found in our water system.
**Level 2 Assessment:** A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible)
 why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the
 MCLGs as feasible using the best available treatment technology.
**Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health.
 MCLGs allow for a margin of safety.
**Maximum residual disinfectant level or MRDL:** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that
addition of a disinfectant is necessary for control of microbial contaminants.
**Maximum residual disinfectant level goal or MRDLG:** The level of a drinking water disinfectant below which there is no known or expected
 risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
**na:** not applicable.
**mrem:** millirems per year (a measure of radiation absorbed by the body)
**ppb:** micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.
**ppm:** milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
**Treatment Technique or TT:** A required process intended to reduce the level of a contaminant in drinking water.

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| Devils Kitchen Water  |
| **Lead and Copper** |
| Definitions : Action Level : The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. Action Level Goal ( ALG ) : The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.  |
| 2023 Copper Range: ND To 80.6 ug/L |   |   |   |   |   |   |   |
| 2023 Lead Range: ND To ND |   |   |   |   |   |   |   |   |
| To Obtain a Copy of the system's lead tap sampling data: call 618-549-5141  |
| Devils Kitchen District has developed a service line material inventory. To obtain a copy of the system's service line inventory: call 618-549-5141 *Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Devils Kitchen Water District is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water, you may wish to have your water tested, contact Devils Kitchen Water District 618-549-5141. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at**http://www.epa.gov/safewater/lead.* |
| **Lead and Copper** | **Date Sampled** | **MCLG** | **Action Level (AL)** | **90th Percentile** | **# Sites Over AL** | **Units** | **Violation** | **likely Source of Contamination** |
| Copper | 9/29/2023 | 1.3 | 1.3 | 0.057 | 0 | ppm | N | Corrosion of household plumbing systems; Errosion of nattral deposits. |
| **Regulated Contaminants** |
| **Disinfectants and Disinfection By- Products** | **Collection Date** | **Highest Level Detected** |  **Range of Levels Detected** | **MCLG** | **MCL** | **Units** | **Violation** | **Likely Source of Contamination** |
| Chloramines | 2024 | 2.2 | 1.7 - 3 | MRDLG = 4 | MRDL = 4 | ppm | N | Water additive used to control microbes. |
| Haloacetic Acids (HAA5) | 2024 | 40 | 19 - 49.1 | NO goal for the total | 60 | ppb | N | By-product of drinking water disinfection. |
| Total Trihalomethanes (TTHM) | 2024 | 59 | 11.7 - 90 | NO goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |
| **Violation Table** |
|  **Consumer Confidence Rule** |
| The Consumer Confidence Rule requries community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of water delivered by the systems.  |
| **Violation Type** | **Violation Begin** | **Violation End** | **Violation Explained** |  |
| CCR Report | 10/1/2024 | 2024 | We failed to provide to you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risks from exposure to contaminants in our drinking water. *We sent out the right URL to the CCR for our customers.* |
| **Lead and Copper Rule** |
| The Lead and Copper Rule Protects public health by minimizing lead and copper levels in drinking water, primarily by redusing water corrosivity. Lead and copper enter drinking water mainly from corrosin of lead and copper containing plumbing materials. |
| **Violation Type** | **Violation Begin** | **Violation End** | **Violation Explained** |
| Follow-UP or Routine Tap M/R (LCR) | 10/1/2024 | 2024 | We failed to test our drinking water for the contaminant and the period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. *We missed the due date for the samples, but they were done and sent to the lab.*  |
| **Total Organic Carbon** |
| Total Organic Carbon has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include Trihalomethanes (THMs) and haloacetic acids (HAAS). Drinking water containing these byproducts in excess of the MCL may lead to adverse health |
| **Violation Type** | **Violation Begin** | **Violation End** | **Violation Explained** |  |
| INADEQUATE DBP PRECURSOR REMOVAL | 4/1/2024 | 6/30/2024 | Carbondale treatment plant failed to adequately reduce the total organics carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water. *Carbondale treatment plant is in compliance now* |
| INADEQUATE DBP PRECURSOR REMOVAL | 7/1/2024 | 9/30/2024 | Carbondale treatment plant failed to adequately reduce the total organic carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water. *Carbondale treatment plant is in compliance now* |
| **Carbondale** |
| **Regulated Contaminants** |
| **Disinfectants and Disinfection By- Products** | **Collection Date** | **Highest Level Detected** |  **Range of Levels Detected** | **MCLG** | **MCL** | **Units** | **Violation** | **Likely Source of Contamination** |
| Chloramines | 2024 | 2.8 | 3-Feb | MRDLG = 4 | MRDL = 4 | ppm | N | Water additive used to control microbes. |
| Haloacetic Acids (HAA5) | 2024 | 34 | 21.8 - 36.4 | No goal for the total | 60 | ppb | N | By-product of drinking water |
| Total Trihalomethanes (TTHM) | 2024 | 63 | 38.3 - 87.6 | No goal for the total | 60 | ppb | N | By-product of drinking water |
| **Inorganic Contaminants** | **Collection Date** | **Highest Level Detected** |  **Range of Levels Detected** | **MCLG** | **MCL** | **Units** | **Violation** | **Likely Source of Contamination** |
| Barium | 2024 | 0.0.0093 | 0.0093-0.0093 | 2 | 2 | ppm | N | Discharge of drilling waste; Discharge from metal refineries: Erosion of natural deposits |
| Fluoride | 2024 | 1.7 | 0.668 - 1.668 | 4 | 4 | ppm | N | Erosion of natural deposits: Water additive which promotes strong teeth: Discharge from fertilizer and aluminum factories. |
| Maganese | 2024 | 2 | 1.8 - 1.8 | 150 | 150 | ppb | N | This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits. |
| Nitrate (measured as Nitrogen) | 2024 | 0.022 | 0.22 - 0.22 | 10 | 10 | ppm | N | Runoff from fertilizer use: Leaching from septic tanks, sewage: Erosion of natural deposits. |
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| Selenium | 2024 | 2 | 2.1 - 2.1 | 50 | 50 | ppm | N | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines. |
| Sodium | 2024 | 16 | 16 - 16 |   |   | ppm | N | Erosion from naturally occurring deposits. Used in water softener regeneration. |
| **Radioactive Contaminants** | Collection Date | Highest Level Detected | Range Level Detected | MCLG | MCL | Units | Violation | Likely Source of Contamination |
| Combined Radium 226/228 | 1/13/2020 | 0.672 | 0.672 - 0.672 | 0 | 5 | pCi/L | N | Erosion of natural deposits. |
| **Turbidity** | **Limit (Treatment)** | **Level Detectected** | **Violtion** | **Likely Source of Contamination** |
| Highest Single measurement | 1 Ntu | 0.2 NYU | N |   |   |   |   | Soil runoff |
| Lowest monthly % meeting limit | 0.3 | 100% | N |   |   |   |   | Soil runoff |
| Total Organic Carbon |   |   |   |   |   |   |   |   |
| Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We Monitor it because it is a good Indicator of water quality and the effectiveness of our filtrations system and disinfectants.  **Total Organic Carbon** The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violation section  |
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| **Violation Table** |  |
| Total Organic Carbon has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include Trihalomethanes (THMs) and haloacetic acids (HAAS). Drinking water containing these byproducts in excess of the MCL may lead to adverse health, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer. |  |
| **Violation Type** | **Violation Begin** | **Violation End** | **Violation Explained** |  |  |
| INADEQUATE DBP PRECURSOR REMOVAL | 4/1/2024 | 6/30/2024 | Our treatment plant failed to adequately reduce the total organic carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water.  |  |
| INADEQUATE DBP PRECURSOR REMOVAL | 7/1/2024 | 9/30/2024 | Our treatment plant failed to adequately reduce the total organic carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water.  |  |
| MONITORING, ROUTINE (DBP), MAJOR | 7/1/2024 | 9/30/2024 | We failed to test our drinking water for the contaminant and period. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. Testing was completed for all 3 months of this quarter, however one sample was not tested by the due date and as a result could not meet compliance |  |
| **Lake of Egypt** |  |
| **Regulated Contaminants** |  |
| **Disinfectants and Disinfection By- Products** | **Collection Date** | **Highest Level Detected** |  **Range of Levels Detected** | **MCLG** | **MCL** | **Units** | **Violation** | **Likely Source of Contamination** |  |
| Chloramines | 2024 | 3.3 | 4-Mar | MRDLG = 4 | MRDL = 4 | ppm | N | Water additive used to control microbes. |  |
| Chlorite | 2024 | 0.84 | 0.4 - 0.74 | 0.8 | 1 | ppm | N | By-product of drinking water disinfection. |  |
| Haloacetic Acids (HAA5) | 2024 | 37 | 22.1 -48 | NO goal for the total | 60 | ppb | N | By-product of drinking water disinfection. |  |
| Total Trihalomethanes (TTHM) | 2024 | 42 | 16 - 50.4 | NO goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |  |
| **Inorganic Contaminants** | **Collection Date** | **Highest Level Detected** |  **Range of Levels Detected** | **MCLG** | **MCL** | **Units** | **Violation** | **Likely Source of Contamination** |  |
| Barium | 2024 | 0.255 | 0.0255 - 0.02555 | 2 | 2 | ppm | N | Discharge of drilling waste; Discharge from metal refineries: Erosion of natural deposits |  |
| Fluoride | 2024 | 0.7 | 0.7 - 0.7 | 4 | 4 | ppm | N | Erosion of natural deposits: Water additive which promotes strong teeth: Discharge from fertilizer and aluminum factories. |  |
| Sodium | 2024 | 24 | 24400 - 24400 |   |   | ppm | N | Erosion from naturally occurring deposits. Used in water softener regeneration. |  |
| **Radioactive Contaminants** | Collection Date | Highest Level Detected | Range Level Detected | MCLG | MCL | Units | Violation | Likely Source of Contamination |  |
| Combined Radium 226/228 | 7/20/2020 | 1.03 | 1.03 - 1.03 | 0 | 5 | pCiL/L | N | Erosion of natural deposits. |  |
| Gross alpha excluding radon and uranium | 7/20/2020 | 1.7 | 1.7 - 1.7 | 0 | 15 | pCiL/L | N | Erosion of natural deposits. |  |
| **Turbidity** | **Limit (Treatment)** | **Level Detectected** | **Violtion** | **Likely Source of Contamination** |  |
| Highest Single measurement | 1 NTU | 0.378 NTU | N | Soil Runoff |  |
| Lowest monthly % meeting limit | 0.3 NTU | 96% | N | Soil Runoff |  |
| Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We Monitor it because it is a good Indicator of water quality and the effectiveness of our filtrations system and disinfectants.   |  |
| **Total Organic Carbon** |  |  |  |  |  |  |  |   |  |
| The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violation section  |  |
| **Violation Table** |  |
| **Total Organic Carbon** |  |
| Total Organic Carbon has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include Trihalomethanes (THMs) and haloacetic acids (HAAS). Drinking water containing these byproducts in excess of the MCL may lead to adverse health, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer. |  |
| **Violation Type** | **Violation Begin** | **Violation End** | **Violation Explained** |  |  |
| INADEQUATE DBP PRECURSOR REMOVAL | 4/1/2024 | 6/30/2024 | Our treatment plant failed to adequately reduce the total organic carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water.  |  |
| INADEQUATE DBP PRECURSOR REMOVAL | 7/1/2024 | 9/30/2024 | Our treatment plant failed to adequately reduce the total organic carbon content of our source water which is needed to properly minimize the amount of disinfection byproducts in our drinking water.  |  |